LIST OF CONTENTS

VOLUME 27, 2002

VOLUME 27

NUMBER 1/2, 2002

CONTENTS

Special Issue: Stress and Drug Abuse

(Papers demonstrating that new research is needed and encouraged by the National Institute on Drug Abuse)

Articles M.D. MAJEWSKA, H.W. GORDON. 1 Stress and drug abuse P. THADANI M.D. MAJEWSKA 5 HPA axis and stimulant dependence: an enigmatic relationship 13 The HPA axis and cocaine reinforcement N.E. Goeders T.A. KOSTEN, E. AMBROSIO 35 HPA axis function and drug addictive behaviors: insights from studies with Lewis and Fischer 344 inbred rats J.H. MENDELSON, N.K. MELLO, 71 Temporal concordance of cocaine effects on mood states and neuroendocrine M.B. SHOLAR, A.J. SIEGEL. N. MUTSCHLER, J. HALPERN hormones L. BUYDENS-BRANCHEY, M. BRANCHEY, 83 Perturbations of plasma cortisol and J. Hudson, M. Dorota Majewska DHEA-S following discontinuation of cocaine use in cocaine addicts R.M. SULLIVAN, A. GRATTON 99 Prefrontal cortical regulation of hypothalamic-pituitary-adrenal function

H.W. GORDON

115 Early environmental stress and biological vulnerability to drug abuse

in the rat and implications for psychopathology: side matters

I. VATHY

M.J. Meaney, W. Brake, A. Gratton	127	Environmental regulation of the development of mesolimbic dopamine systems: a neurobiological mechanism for vulnerability to drug abuse?
G. Byrne, S.J. Suomi	139	Cortisol reactivity and its relation to homecage behavior and personality ratings in tufted capuchin (<i>Cebus apella</i>) juveniles from birth to six years of age
M.D. DE BELLIS	155	Developmental traumatology: a contributory mechanism for alcohol and substance use disorders
R. Yehuda, S.L. Halligan, L.M. Bierer	171	Cortisol levels in adult offspring of Holocaust survivors: relation to PTSD symptom severity in the parent and child
V. Groza, S.D. Ryan	181	Pre-adoption stress and its association with child behavior in domestic special needs and international adoptions
M.R. Gunnar, B. Donzella	199	Social regulation of the cortisol levels in early human development
P.V. THADANI	221	The intersection of stress, drug abuse and development
C.M. Anderson, M.H. Teicher, A. Polcari, P.F. Renshaw	231	Abnormal T2 relaxation time in the cerebellar vermis of adults sexually abused in childhood: potential role of the vermis in stress-enhanced risk for drug abuse
D.M. Vázquez, R. Eskandari, C.A. Zimmer, S. Levine, J.F. López	245	Brain 5-HT receptor system in the stressed infant rat: implications for vulnerability to substance abuse

Prenatal opiate exposure: long-term CNS consequences in the stress system of the

offspring

M.L. Schneider, C.F. Moore, G.W. Kraemer, A.D. Roberts, O.T. DeJesus

285 The impact of prenatal stress, fetal alcohol exposure, or both on development: perspectives from a primate model

299 Corrigendum

VOLUME 27

NUMBER 3, 2002

CONTENTS

P.A. RITTENHOUSE, C. LÓPEZ-	303	Amplified behavioral and endocrine
Rubalcava, G.D. Stanwood, I. Lucki		responses to forced swim stress in the
		Wistar-Kyoto rat

- C.A. Bowen, S. Stevens Negus, M. Kelly, N.K. Mello
- 319 The effects of heroin on prolactin levels in male rhesus monkeys: use of cumulative-dosing procedures

V.A. NEJTEK

- 337 High and low emotion events influence emotional stress perceptions and are associated with salivary cortisol response changes in a consecutive stress paradigm
- J.D. Johnson, K.A. O'Connor, T. Deak, R.L. Spencer, L.R. Watkins, S.F. Maier
- 353 Prior stressor exposure primes the HPA axis
- H. FORGET, A. LACROIX, H. COHEN
- 367 Persistent cognitive impairment following surgical treatment of Cushing's syndrome
- T.C. Baghai, C. Schüle, P. Zwanzger, C. Minov, C. Holme, F. Padberg, M. Bidlingmaier, C.J. Strasburger, R. Rupprecht
- 385 Evaluation of a salivary based combined dexamethasone/CRH test in patients with major depression
- S.J. Lupien, C.W. Wilkinson, S. Brière, C. Ménard, N.M.K. Ng Ying Kin, N.P.V. Nair
- 401 The modulatory effects of corticosteroids on cognition: studies in young human populations

VOLUME 27

NUMBER 4, 2002

CONTENTS

A	rticl	
4	riici	00

- G.R. Tait, K. McManus, F. Bellavance, N. Lara, W. Chrapko, J.-M. Le Mellédo
- 417 Neuroactive steroid changes in response to challenge with the panicogenic agent pentagastrin
- C.L. Bethea, S.J. Mirkes, A. Su, D. Michelson
- 431 Effects of oral estrogen, raloxifene and arzoxifene on gene expression in serotonin neurons of macaques
- R.G. Masera, P. Prolo, M.L. Sartori, A. Staurenghi, G. Griot, L. Ravizza, A. Dovio, F. Chiappelli, A. Angeli
- 447 Mental deterioration correlates with response of natural killer (NK) cell activity to physiological modifiers in patients with short history of Alzheimer's disease
- K.P. SCHULZ, J.H. NEWCORN, J. SCHMEIDLER, J.M. HALPERIN
- 463 Lack of seasonal rhythms in central serotonergic function in boys with ADHD
- P.A. COTTER, O.F. MULLIGAN, S. LANDAU, A. PAPADOPOULOS, S.L. LIGHTMAN, S.A. CHECKLEY
- 475 Vasoconstrictor response to topical beclomethasone in major depression
- M.H. Burleson, W.R. Trevathan, W. Larry Gregory
- 489 Sexual behavior in lesbian and heterosexual women: relations with menstrual cycle phase and partner availability
- C. Heesen, S.M. Gold, A. Raji, K. Wiedemann, K.-H. Schulz
- 505 Cognitive impairment correlates with hypothalamo-pituitary-adrenal axis dysregulation in multiple sclerosis

L. WELLER, A. WELLER

519 Menstrual synchrony and cycle variability: A reply to Schank (2000)

VOLUME 27

NUMBER 5, 2002

CONTENTS

Articles		
R. Dantzer, N. Kalin	527	Editorial announcement
N.N. Dygalo	529	Preface In honor of Professor Eugene Naumenko
M. Ugrumov, V. Melnikova, P. Ershov, I. Balan, A. Calas	533	Tyrosine hydroxylase- and/or aromatic L-amino acid decarboxylase-expressing neurons in the rat arcuate nucleus: ontogenesis and functional significance
L.N. Maslova, V.V. Bulygina, A.L. Markel	549	Chronic stress during prepubertal development: immediate and long-lasting effects on arterial blood pressure and anxiety-related behavior
P. Mormède, H. Courvoisier, A. Ramos, N. Marissal-Arvy, O. Ousova, C. Désautés, M. Duclos, F. Chaouloff, MP. Moisan	563	Molecular genetic approaches to investigate individual variations in behavioral and neuroendocrine stress responses
N.N. DYGALO, T.S. KALININA, N.Y. SOURNINA, G.T. SHISHKINA	585	Effects of testosterone on alpha2A-adrenergic receptor expression in the rat brain
G.T. SHISHKINA, T.S. KALININA, N.Y. SOURNINA, D.G. SAHAROV, V.F. KOBZEV, N.N. DYGALO	593	Effects of antisense oligodeoxynucleotide to the alpha2A-adrenoceptors on the plasma corticosterone level and on elevated plus-maze behavior in rats
M. Moshkin, L. Gerlinskaya, O. Morozova, V. Bakhvalova, V. Evsikov	603	Behaviour, chemosignals and endocrine functions in male mice infected with tick-borne encephalitis virus
N.K. Popova, T.G. Amstislavskaya	609	Involvement of the 5-HT _{1A} and 5-HT _{1B} serotonergic receptor subtypes in sexual

arousal in male mice

J. JELOKOVA, M. RUSNAK,

L. KUBOVCAKOVA, P. BUCKENDAHL,

O. KRIZANOVA, E.L. SABBAN,

R. KVETNANSKY

619 Stress increases gene expression of phenylethanolamine N-methyltransferase in spleen of rats via pituitary-adrenocortical mechanism

VOLUME 27

NUMBER 6, 2002

CONTENTS

Articles

J. Bruce, E. Poggi Davis, M.R. Gunnar

L.A. ROSENBLUM, E.L.P. SMITH, M. ALTEMUS, B.A. SCHARF, M.J. OWENS, C.B. NEMEROFF, J.M. GORMAN, J.D. COPLAN

B. APPELBERG, H. KATILA, R. RIMÓN

K.G. Kahl, N. Kruse, H. Faller, H. Weiß, P. Rieckmann

S.L. Andersen, A.P. Thompson, E. Krenzel, M.H. Teicher

R.M. CONDREN, A. O'NEILL, M.C.M. RYAN, P. BARRETT, J.H. THAKORE

635 Individual differences in children's cortisol response to the beginning of a new school year

651 Differing concentrations of corticotropinreleasing factor and oxytocin in the cerebrospinal fluid of bonnet and pigtail macaques

661 REM sleep and prolactin in patients with non-affective psychoses

671 Expression of tumor necrosis factor-α and interferon-γ mRNA in blood cells correlates with depression scores during an acute attack in patients with multiple sclerosis

683 Pubertal changes in gonadal hormones do not underlie adolescent dopamine receptor overproduction

693 HPA axis response to a psychological stressor in generalised social phobia

A.C. DeVries, T. Guptaa, S. Cardillo, M. Cho, C.S. Carter

705 Corticotropin-releasing factor induces social preferences in male prairie voles

S.V. Argyropoulos, J.E. Bailey,
S.D. HOOD, A.H. KENDRICK, A.S. RICH,
G. Laszlo, J.R. Nash, S.L. Lightman,
D.J. NUTT

- 715 Inhalation of 35% CO₂ results in activation of the HPA axis in healthy volunteers
- L. Sethre-Hofstad, K. Stansbury, M.A. Rice
- 731 Attunement of maternal and child adrenocortical response to child challenge
- J.D. Flory, K.A. Matthews, C.G. Sistilli, A.R. Caggiula, S.L. Berga, J. F. Owens
- 749 Short-term suppression of ovarian function and immune measures in healthy women

I Announcement

VOLUME 27

NUMBER 7, 2002

CONTENTS

Articles

- D. Marazziti, L. Dell'Osso, I. Masala, S. Baroni, S. Presta, G. Giannaccini, E. Di Nasso, F. Mungai, A. Lucacchini, G.B. Cassano
- 769 Decreased inhibitory activity of PKC in OCD patients after six months of treatment
- O.T. Wolf, A. Convit, E. Thorn, M.J. de Leon
- 777 Salivary cortisol day profiles in elderly with mild cognitive impairment
- D.M. Hodgson, B. Knott
- 791 Potentiation of tumor metastasis in adulthood by neonatal endotoxin exposure: sex differences
- D.A. GLOVER, R.E. POLAND
- 805 Urinary cortisol and catecholamines in mothers of child cancer survivors with and without PTSD

rsychoneur	oendocrinology 27 (2002) I–XV
821	Effect of diazepam on EEG power and coherent activity: sex differences
835	Verbal and spatial functions across the menstrual cycle in healthy young women
843	Hypothalamic-pituitary-adrenal axis reactivity to psychological stress and memory in middle-aged women: high responders exhibit enhanced declarative memory performance
855	Cortisol and behavior in fragile X syndrome
873	Neuroendocrine evaluation of 5-HT1A function in male alcoholic patients
	821

VOLUME 27

NUMBER 8, 2002

CONTENTS

Articles

M.U. Goebel, J. Baase, V. Pithan, M.S. Exton, B. Saller, M. Schedlowski, V. Limmroth 881 Acute interferon β-1b administration alters hypothalamic-pituitary-adrenal axis activity, plasma cytokines and leukocyte distribution in healthy subjects

J. Koertge, F. Al-Khalili, S. Ahnve, I. Janszky, B. Svane, K. Schenck-Gustafsson 893 Cortisol and vital exhaustion in relation to significant coronary artery stenosis in middle-aged women with acute coronary syndrome

- P.J. SCHMIDT, J.H. MURPHY, N. HAQ, M.A. DANACEAU, L.S. ST. CLAIR
- 907 Basal plasma hormone levels in depressed perimenopausal women
- M. Haack, T. Kraus, A. Schuld, M. Dalal, D. Koethe, T. Pollmächer
- 921 Diurnal variations of interleukin-6 plasma levels are confounded by blood drawing procedures

S. Brody

933 Age at first intercourse is inversely related to female cortisol stress reactivity

Short communication

- A. REICHENBERG, T. KRAUS, M. HAACK, A. SCHULD, T. POLLMÄCHER, R. YIRMIYA
- 945 Endotoxin-induced changes in food consumption in healthy volunteers are associated with TNF-α and IL-6 secretion
 - I List of contents, Author index, Keyword index
- XIX Announcement: Journees Internationales D'endocrinologie Clinique
- XX Announcement: XXXII ISPNE Meeting

